

0 In the Claims:

CLAIMS

We claim:

1. (Withdrawn) A laminated deck for a skateboard, the deck comprising:

5 a plurality of layers of graphite cloth and a plurality of layers of a laminating resin, the layers of graphite cloth being interspersed between the layers of the laminating resin; and subjected to a combination of heat and vacuum for a time sufficient for the laminating resin to
10 cure.

2. (Withdrawn) The skateboard deck as described in claim 1, wherein each layer of the graphite cloth is positioned at an angle between zero degrees and approximately 180 degrees
15 with respect to the previous layer of the graphite cloth.

3. (Withdrawn) The skateboard deck as described in claim 2, wherein each layer of the graphite cloth is positioned at an angle between zero degrees and approximately 90 degrees with
20 respect to the previous layer of the graphite cloth.

4. (Withdrawn) The skateboard deck as described in claim 1, further comprising an additional layer, the additional layer comprising fiberglass and the laminating resin, the
25 additional layer being the deck bottom.

5. (Withdrawn) The skateboard deck as described in claim 1, wherein the number of layers of the skateboard deck is determined according to the weight of an end user, and

0 conditions under which the skateboard deck will be used.

6. (Withdrawn) The skateboard deck as described in claim 5,
wherein the determination is based on a singularity
function.

5 7. (Withdrawn) The skateboard deck as described in claim
4, further comprising a standoff, the standoff comprising a
plurality of layers of graphite cloth and a plurality of
layers of a laminating resin, the layers of graphite cloth
10 being interspersed between the layers of the laminating
resin, the standoff being attached to the deck bottom.

8. (Withdrawn) The skateboard deck as described in claim 7,
wherein the deck has a length that ranges from approximately
15 18 inches to approximately 48 inches.

9. (Withdrawn) A method for manufacturing a skateboard
deck, the method comprising the steps of:

20 forming a first layer of graphite cloth by taking a
piece of graphite cloth, and applying a layer of laminating
resin thereto;

adding a second layer of the graphite cloth and the
laminating resin to the first layer, the second layer formed
similarly to the first layer;

25 repeating the steps of forming and adding until a
desired number of layers are used, forming a desired
thickness;

inserting the desired thickness of graphite layers into
a mold; and

0 subjecting the mold to a combination of heat and vacuum
for a time sufficient for the laminating resin to cure and
manufacture the skateboard deck.

10. (Withdrawn) The method as described in claim 9, wherein
5 the heat is a temperature ranging from approximately 75
degrees F. to approximately 85 degrees F.

11. (Withdrawn) The method as described in claim 9,
wherein the vacuum applied ranges from approximately 90 psi
10 to approximately 125 psi.

12. (Withdrawn) The method as described in claim 10,
wherein the deck is cured for between approximately one-half
to two hours.

13. (Withdrawn) The method as described in claim 10,
wherein the deck further comprises an additional layer, the
additional layer comprising fiberglass and the laminating
resin, the additional layer being the deck bottom.

14. (Withdrawn) The method as described in claim 9,
further comprising the step of determining the number of
layers of the deck according to the weight of an end user,
and conditions under which the skateboard deck will be used.

15. (Withdrawn) The method as described in claim 14,
wherein the determining step uses a singularity function.

16. (Currently amended) A method for manufacturing a

0 skateboard deck, the method comprising the steps of:
forming a first layer of graphite cloth by taking a
piece of graphite cloth, the graphite cloth comprising
graphite cloth fiber and a laminating resin therein;
applying a second layer of the graphite cloth to the
5 first layer;
determining the number of layers of the deck according
to the weight of an end user, and the conditions under which
the deck will be used, using a singularity function;
repeating the steps of forming and applying until a
10 desired number of layers are used, forming ~~a desired~~ the
determined thickness;
inserting the ~~desired~~ determined thickness of graphite
layers into a mold; and
subjecting the mold to a combination of heat and vacuum
15 for a time sufficient for the laminating resin to cure and
manufacture the skateboard deck~~[[.]]~~, the deck having at
least two regions where a truck will be attached thereto,
the deck having a deflection, the deflection being at a
maximum at a region of the deck that is halfway between the
20 regions where the trucks will be attached, thereby creating
a downward force when the skateboard is used for cornering
that maintains control of the skateboard.

17. (Original) The method as described in claim 16,
25 wherein the heat is a temperature ranging from
approximately 200 degrees F. to approximately 600 degrees F.

18. (Original) The method as described in claim 17, wherein
the heat is a temperature ranging from approximately 250

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0 degrees F. to approximately 300 degrees F.

19. (Original) The method as described in claim 18, wherein the heat is a temperature of approximately 250 degrees F.

5 20. (Original) The method as described in claim 16, wherein the vacuum is between approximately 20 - 50 psi.

21. (Original) The method as described in claim 16, wherein the deck is cured for between approximately one and
10 approximately 4 hours.

22. (Original) The method as described in claim 21, wherein the deck is cured for between approximately two and approximately 3 hours.

15 23. (Original) The method as described in claim 22, wherein the deck is cured for between approximately two and one-half hours.

20 24. (Original) The method as described in claim 17, wherein the deck further comprises an additional layer, the additional layer comprising fiberglass and the laminating resin, the additional layer being the deck bottom.

25 25. (Cancelled)

26. (Cancelled)

27. (Withdrawn) A laminated deck for a wheeled device, the deck comprising:

0 a plurality of layers of graphite cloth and a plurality
of layers of a laminating resin, the layers of the graphite
cloth and the laminating resin being distributed in an
alternating manner; and subjected to a combination of heat
and vacuum for a time sufficient for the laminating resin to
5 cure.

28. (Withdrawn) The laminated deck as described in claim
27, further comprising an additional layer, the additional
layer comprising fiberglass and the laminating resin, the
10 additional layer being the deck bottom.

29. (Withdrawn) The deck as described in claim 28, wherein
the wheeled device is a skateboard.

15 30. (Withdrawn) A deck for a skateboard, the deck
comprising a plurality of layers of graphite cloth, the
graphite cloth comprising graphite fiber and a laminating
resin therein, the plurality of layers of graphite cloth
being subjected to a temperature ranging from approximately
20 75 degrees F. to approximately 85 degrees F., a vacuum
ranging from approximately 90 -125 psi, for a period ranging
between approximately one-half hour and approximately two
hours.

25 31. (Withdrawn) The skateboard deck as described in claim
30, further comprising a standoff, the standoff comprising
graphite fiber and a laminating resin therein, the plurality
of layers of graphite cloth being subjected to a temperature
ranging from approximately 75 degrees F. to approximately 85

0 degrees F., a vacuum ranging from approximately 90 -125 psi,
for a period ranging between approximately one-half hour and
approximately two hours.

5 32. (Withdrawn) A deck for a skateboard, the deck
comprising a plurality of layers of graphite cloth, the
graphite cloth comprising graphite fiber and a laminating
resin therein, the plurality of layers of graphite cloth
being positioned in a mold, and subjecting the mold to a
10 temperature ranging from approximately 200 degrees F. to
approximately 600 degrees F., a vacuum ranging from
approximately 20 -50 psi, for a period ranging between
approximately one and approximately 4 hours.

15 33. (Withdrawn) The skateboard deck as described in claim
32, further comprising a standoff, the standoff comprising
graphite fiber and a laminating resin therein, the plurality
of layers of graphite cloth being positioned in a mold, and
subjecting the mold to a temperature ranging from
approximately 200 degrees F. to approximately 600 degrees
20 F., a vacuum ranging from approximately 20 -50 psi, for a
period ranging between approximately one and approximately 4
hours.